

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

**AIR QUALITY PERMIT
Issued under 401 KAR 52:040**

Permittee Name: Young Manufacturing Company, Inc.

Mailing Address: P. O. Box 167
Beaver Dam, Kentucky 42320

Source Name: Young Manufacturing Company, Inc.
Mailing Address: Same as above

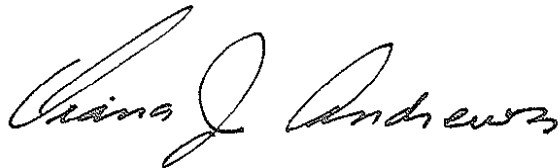
Source Location: 521 South Main Street
Beaver Dam, Kentucky 42320

Permit Number: S-06-059
Source A. I. #: 3320
Activity #: APE20050001
Review Type: Minor Source Renewal, Operating
Source ID #: 21-183-00001

Regional Office: Owensboro Region
3032 Alvey Park Dr. W.
STE 700
Owensboro, KY 42303-2191

County: Ohio

Application
Complete Date: May 9, 2006
Issuance Date: May 23, 2006
Revision Date: Not Applicable
Expiration Date: May 23, 2016



**John S. Lyons, Director
Division for Air Quality**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emission Unit 01 - Standby Boiler

Description:

Maximum Capacity: 4.2 mmBtu/hour

Fuel Type: Natural Gas

Construction Commenced: 7/1/1969

Control Device: None

APPLICABLE REGULATIONS:

401 KAR 61:015, Existing indirect heat exchangers, applicable to an emission unit with a capacity of less than 250 mmBtu, commenced on or before April 9, 1972

1. Operating Limitations:

None.

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:015, Section 4(1), particulate matter emissions shall not exceed 0.56 lbs/mmBtu actual heat input based on a 3-hour average.
- b. Pursuant to 401 KAR 61:015, Section 4(2)(c), opacity shall not exceed 20 percent based on a 6-minute average except during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.
- c. Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide shall not exceed 6.0 lbs./mmBtu based on a 24-hour average.
- d. The unit shall be considered to be in compliance with the above standards while burning natural gas.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

Fuel usage shall be monitored on a daily basis.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Recordkeeping Requirements:

Records of the amount of natural gas burned shall be maintained on a daily basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 02 - Indirect Heat Exchanger and Steam Turbine

Description:

Maximum Capacity: 30.0 mmBtu, process limited to 12 mmBtu due to operating limitations of the Coppus steam turbine, 288 HP @3650 rpm, 125 psig inlet, driving a 200 KW Kato generator

Fuel Type: Wood Residue

Construction commenced: June 1, 1974

Control Device: Multi-Cyclone

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchangers, applicable to units commenced after April 9, 1972 for affected facilities with a capacity of 250 mmBtu per hour heat input or less

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:015, Section 4(1)(c), particulate matter emissions shall not exceed 0.42 lbs/mmBtu actual heat input based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (amount of wood burned in tons/month)(1 month/hours of operation that month)(emission factor of 4.8 lb/ton)

b. Pursuant to 401 KAR 59:015, Section 4(2)(c), opacity shall not exceed 20 percent based on a 6-minute average except during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

c. Pursuant to 401 KAR 59:015, Section 5(1)(c), sulfur dioxide emissions shall not exceed 2.9 lbs/mmBtu measured over a 24-hour period. Compliance shall be demonstrated by the following emission calculation: Sulfur dioxide emissions in pounds per hour = (monthly amount of wood burned in tons/month)(1 month/hours of operation that month)(emission factor of 0.4 lb/ton)

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Monitoring Requirements:

- a. Fuel usage shall be monitored on a daily basis.
- b. The permittee shall monitor the time between ignition and the time steady state operation of the emission unit is achieved.

5. Recordkeeping Requirements:

- a. Records of the amount of wood burned shall be maintained on a daily basis.
- b. The permittee shall record the time of ignition, the time steady state operation of the emission unit is achieved, and shall calculate and record the elapsed time between the two.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

7. Specific Control Equipment Operating Conditions:

- a. The multi-cyclone shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 03 - Indirect Heat Exchanger and Steam Turbine

Description:

Maximum Capacity: 36.0 mmBtu, process limited to 18 mmBtu due to operating limitations of the Coppus steam turbine, 428 HP @3600 rpm, 225 psig inlet, driving a synchronous generator

Fuel Type: Wood Residue

Construction commenced: August 17, 1987

Control Device: Multi-Cyclone with fly ash re-injection

APPLICABLE REGULATIONS:

401 KAR 59:015, New indirect heat exchangers, applicable to units commenced after April 9, 1972 for affected facilities with a capacity of 250 mmBtu per hour heat input or less

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:015, Section 4(1)(c), particulate matter emissions shall not exceed 0.35 lbs/mmBtu actual heat input based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood burned in tons/month)(1 month/hours of operation that month)(emission factor of 4.8 lb/ton)

b. Pursuant to 401 KAR 59:015, Section 4(2)(c), opacity shall not exceed 20 percent based on a 6-minute average except during building a new fire for the period required to bring the boiler up to operating conditions provided the method used is that recommended by the manufacturer and the time does not exceed the manufacturer's recommendations.

c. Pursuant to 401 KAR 59:015, Section 5(1)(c), sulfur dioxide emissions shall not exceed 2.1 lbs/mmBtu measured over a 24-hour period. Compliance shall be demonstrated by the following emission calculation: Sulfur dioxide emissions in pounds per hour = (monthly amount of wood burned in tons/month)(1 month/hours of operation that month)(emission factor of 0.4 lb/ton)

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Monitoring Requirements:

- a. Fuel usage shall be monitored on a daily basis.
- b. The permittee shall monitor the time between ignition and the time steady state operation of the emission unit is achieved.

5. Recordkeeping Requirements:

- a. Records of the amount of wood burned shall be maintained on a daily basis.
- b. The permittee shall record the time of ignition, the time steady state operation of the emission unit is achieved, and shall calculate and record the elapsed time between the two.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

7. Specific Control Equipment Operating Conditions:

- a. The multi-cyclone shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 04 - Millworking Operations (Old Rough Mill)

Description:

Maximum Capacity: 2500 board feet or 5 tons of wood per hour for each mill

Construction commenced: 1972

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing process operations applicable to process operations commenced before July 2, 1975

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 61:020, Section 3(2)(a), particulate matter emissions shall not exceed 12 lbs/hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 4.3 lb/ton)(1 - control efficiency of 99.9%)

b. Pursuant to 401 KAR 61:020, Section 3(1)(a), opacity shall not exceed 40 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 05 - Millworking Operations (Old Finish Mill)

Description:

Maximum Capacity: 2500 board feet or 5 tons of wood per hour for each mill

Construction commenced: 1946

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 61:020, Existing process operations applicable to process operations commenced before July 2, 1975

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 61:020, Section 3(2)(a), particulate matter emissions shall not exceed 12 lbs/hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 6.0 lb/ton)(1 - control efficiency of 99.9%)

b. Pursuant to 401 KAR 61:020, Section 3(1)(a), opacity shall not exceed 40 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 06 - Frame Plant

Description:

Maximum Capacity: 3000 board feet or 6 tons of wood per hour

Construction commenced: 1983

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to process operations commenced on or after July 2, 1975

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:010, Section 3(2), particulate matter emissions shall not exceed 10.9 lbs/hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 6.0 lb/ton)(1 - control efficiency of 99.9%)

b. Pursuant to 401 KAR 59:010, Section 3(1)(a), opacity shall not exceed 20 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 07 - Glue Roll Coating/Thermoset Steam Press Operations

Description:

Maximum Capacity: 8.24 lbs/hour of combined resin and glue

Construction commenced: 1960

Control Device: None

APPLICABLE REGULATIONS:

401 KAR 63:021, Existing sources emitting toxic air pollutants, applicable to sources issued a permit pursuant to 401 KAR 50:035 with conditions based on 401 KAR 63:021 or 401 KAR 63:022

1. Operating Limitations:

None.

2. Emission Limitations:

None.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of glue and resin used shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of glue and resin used shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 08 - Millworking Operations (New Rough Mill)

planar, finger joiner, gang rip saw, chop saws, double surfacer, scrap hog, silo

Description:

Maximum Capacity: 5000 board feet per hour or 10 tons per hour

Construction commenced: 1995

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to process operations commenced after July 2, 1975.

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 14.97 lbs./hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 6.0 lb/ton)(1 - control efficiency of 99.9%)

b. Pursuant to 401 KAR 59:010, Section 3(1), opacity shall not exceed 20 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections B and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 09 - Millworking Operations (New Finish Mill)

Diehl 512 Molder, Ramco Sander, Mereen Johnson Tennor and Shaper, Onsrud Rotary Shaper

Description:

Maximum Capacity: 5000 board feet per hour or 10 tons per hour

Construction commenced: 2002

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to process operations commenced after July 2, 1975.

1. Operating Limitations:

None.

2. Emission Limitations:

b. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 14.97 lbs./hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 6.0 lb/ton)(1 - control efficiency of 99.9%)

b. Pursuant to 401 KAR 59:010, Section 3(1), opacity shall not exceed 20 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 10 - Wood Dust Truck Loadout

Description:

Maximum Capacity: 4 tons per hour

Construction commenced: 2003

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to process operations commenced after July 2, 1975.

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 4.22 lbs./hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 2.0 lb/ton)(1 - control efficiency of 99.9%)

b. Pursuant to 401 KAR 59:010, Section 3(1), opacity shall not exceed 20 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 11 - Six Wood Waste Silos

Description:

Maximum Capacity: 4 tons per hour

Construction commenced: 1974, 1976, 1987, 1992, 1995, 1998

Control Device: Fabric Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to process operations commenced after July 2, 1975.

401 KAR 61:020, Existing process operations, applicable to process operations commenced before July 2, 1975

1. Operating Limitations:

None.

2. Emission Limitations:

a. For the silos constructed after July 2, 1975, pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 8.48 lbs./hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 2.0 lb/ton)(1 - control efficiency of 99.9%)

b. For silos constructed after July 2, 1975, pursuant to 401 KAR 59:010, Section 3(1), opacity shall not exceed 20 percent based on a 6-minute average.

c. For silos constructed before July 2, 1975, pursuant to 401 KAR 61:020, Section 3(2), particulate emissions shall not exceed 10.48 lbs./hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of wood processed in tons/month)(1 month/hours of operation that month)(emission factor of 2.0 lb/ton)(1 - control efficiency of 99.9%)

d. For silos constructed before July 2, 1975, pursuant to 401 KAR 61:020, Section 3(1), opacity shall not exceed 40 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Monitoring Requirements:

The amount of wood processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of wood processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

7. Specific Control Equipment Operating Conditions:

- a. The fabric filter shall be operated as necessary to maintain compliance with permitted emission limitations, consistent with manufacturer's specifications and/or good operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 12 - Haul Road and Yard Area

APPLICABLE REGULATIONS:

401 KAR 63:010, Fugitive emissions, applicable to an apparatus, operation, or road which emits or may emit fugitive emissions provided that the fugitive emissions from such facility are not elsewhere subject to an emission standard

1. Operating Limitations:

- a. Reasonable precautions shall be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not limited to the following:
 - i. Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
 - ii. Application and maintenance of asphalt, oil, water, or suitable chemicals on roads, materials stockpiles, and other surfaces which can create airborne dusts.
 - iii. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling. Adequate containment methods shall be employed during sandblasting or other similar operations.
 - iv. Covering, at all times when in motion either on or off company property, open bodied trucks transporting materials likely to become airborne.
 - v. The maintenance of paved roadways in a clean condition.
 - vi. The prompt removal of earth or other material from a paved street which earth or other material has been transported thereto by trucking or earth moving equipment or erosion by water.
- b. Visible fugitive dust emissions shall not extend beyond the lot line of the property on which the emissions originate.

2. Emission Limitations:

None.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

See Section C, General Requirements, Subsection F.

5. Recordkeeping Requirements:

See Section C, General Requirements, Subsections B and F.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 13 - Vacuum Coater

Description:

Maximum Capacity: 3.5 gallons/hour

Construction commenced: 1982

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations, applicable to process operations commenced after July 2, 1975.

1. Operating Limitations:

None.

2. Emission Limitations:

a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 2.34 lbs./hour based on a 3-hour average. Compliance shall be demonstrated by the following emission calculation: Particulate matter emissions in pounds per hour = (monthly amount of paint used in gallons/month)(1 month/hours of operation that month)(emission factor of 0.000061 lbs PM./lbs paint)(density of paint of 12.093 lbs/gallon)

b. Pursuant to 401 KAR 59:010, Section 3(1), opacity shall not exceed 20 percent based on a 6-minute average.

3. Testing Requirements:

See Section C, General Requirements, Subsection F.

4. Monitoring Requirements:

The amount of paint processed shall be monitored on a monthly basis.

5. Recordkeeping Requirements:

Records of the amount of paint processed shall be maintained on a monthly basis.

6. Reporting Requirements:

See Section C, General Requirements, Subsections C and F.

7. Specific Control Equipment Operating Conditions:

None.

SECTION C - GENERAL REQUIREMENTS

A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
3. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 11].
4. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4,5].
5. This permit does not convey property rights or exclusive privileges [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040 Section 11(3)].
7. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee.
8. All previously issued permits to this source at this location are hereby null and void.

B. Recordkeeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040 Section 3(1)(f)].

SECTION C - GENERAL REQUIREMENTS

2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

C. Reporting Requirements

1. a. In accordance with the provisions of 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
 - b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1. a. above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report [Material incorporated by reference by 401 KAR 52:040, Section 5, 3].
2. The permittee shall furnish information requested by the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the permit [Material incorporated by reference by 401 KAR 52:040, Section 1a, 6].
3. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

D. Inspections

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control

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equipment), practice, or operation.

- b. To access and copy any records required by the permit.
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit.
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

E. Emergencies/Enforcement Provisions

- 1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Material incorporated by reference by 401 KAR 52:040, Section 1a, 3].
- 2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- 3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(1)].
- 4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:040, Section 22(2)].

F. Compliance

- 1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
 - a. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.
 - b. All the air pollution control systems shall be maintained regularly in accordance with good

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engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and nonroutine maintenance performed on each control device.

c. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division [401 KAR 50:055, Section 2].

2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:

- a. Identification of the term or condition;
- b. Compliance status of each term or condition of the permit;
- c. Whether compliance was continuous or intermittent;
- d. The method used for determining the compliance status for the source, currently and over the reporting period, and
- e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Owensboro Regional Office
3032 Alvey Park Dr. W STE 700
Owensboro, KY 42303-2191

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601-1403

3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:

- (a) Applicable requirements that are included and specifically identified in this permit; or
- (b) Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11].

SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040, Section 6. While these activities are designated as insignificant the permittee shall comply with the applicable regulation and any level of periodic monitoring specified below.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. 10 Dry Kilns	NA
2. 3 Predryers	NA
3. 2 5000-gallon above ground fuel tanks	NA